Dexter
[IP330S]

USER PRECAUTION

Please read the instruction carefully to protect yourself and others from personal injury or damage to property.

To use the phone correctly and safely and prevent an accident, it is essential for you to heed the warning and information provided. Keep the manual in an easily accessible place after read it for future reference.

⚠ Precaution when installing

- Please avoid installing in excessively hot, cold, dusty or humid places or in locations with strong vibrations or exposed to direct sunlight.
- Because the phone generates heat when it operates, please do not install it in locations where heat resistance or durability is low.
- Please do not use a damaged cord or plug, or loose outlet to prevent fire or electric shock hazard.
- Please do not touch power outlet with wet hands. It can cause the electric shock.
- Please do not locate it on inclined places. It may inflict injury or break down by dropping.

⚠ Precaution when using

- Please do not use the phone in places with flammable or explosive materials.
- Please do not touch the phone with wet hands.
- Please do not use the phone for any other purposes

- Any damages due to unauthorized disassembly and intentional damages by users are not covered by the warranty.
- Please do not pull the power plug and adaptor when you unplug it.
- When the phone makes any strange noise, smell or smoke, please unplug the power cable and immediately contact service center.

⚠ Precaution when cleaning

- Please use dry and soft cloth when you clean the phone.
- Please do not use chemicals such as benzene, thinner or etc.
- Please wipe the power plug with dry cloth if it is wet or dusty.
  It may cause the fire or electric shock hazard.

⚠ Precaution when setting

- It may result in some errors if you change specific settings after the phone installed.
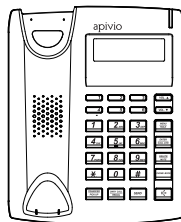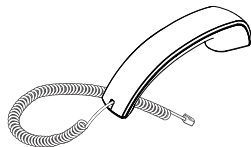- Please give prior notice when you need to change the settings.

2

CONTENTS

COMPONENTS

> ⚠ The components must be checked when the package is opened. Please contact the store where you purchased it if there are any missing items.
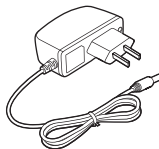
◎ Body of IP330

apivio

◎ Receiver with connecting cable
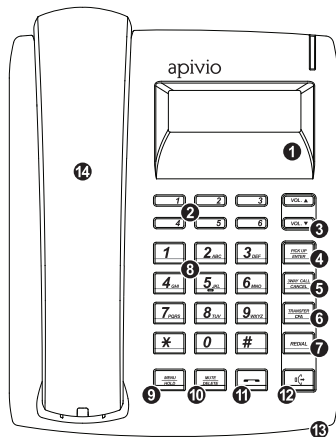
◎ Lan cable

◎ Power adaptor

◎ User's manual

moimstone

ABOUT PHONE

Front

❶ LCD screen	Indicate status of network, message and etc.
❷ Memory dial keys	Call to the registered phone numbers with each button. (provide 6 memory dial keys)
❸ Volume ▲/▼	Adjust volume
❹ Pickup / Enter	- Allow you to answer another ringing phone in the network. - Apply the selected contents.
❺ 3way call / Cancel	- Join 3 different people and call together at once. - Cancel the selected contents.
❻ Transfer / CFA	- Transfer a phone call to another telephone. - Allow to answer your incoming call from other phones.
❼ Redial	Call to the latest dialed number.
❽ Numbers / Characters	Enter the number to call and character to send message.
❾ Menu / Hold	- Open setting menu. - Turn to hold mode during call.
❿ Mute / Delete	- Set the silent mode to mute your voice. - Delete entered contents.
⓫ Call	Attempt to call.
⓬ Speaker phone	Call to use speaker phone
⓭ Microphone	Transmit voice via microphone when you call through speaker phone.
⓮ Handset	Allow you to call through handset.

ABOUT PHONE

Side

Back

DC 5V   LAN   PC

LCD STATUS
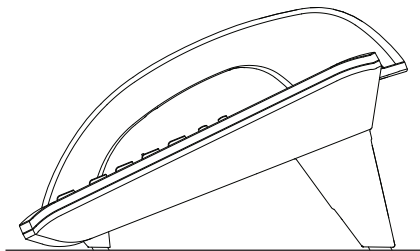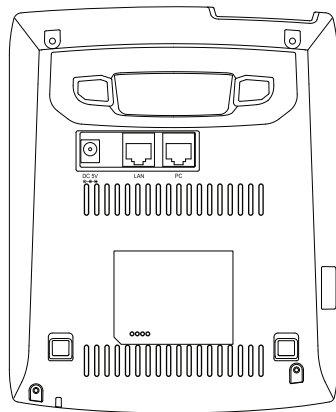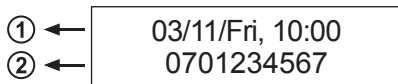
| ① ← | 03/11/Fri, 10:00 |
| ② ← | 0701234567 |

| LCD screen |

No	Status	Explanation
①	Time	Indicate present time.
②	Phone connecting status	Show the phone numbers when it is registered correctly. In case of failure, show the error message.

CASES

| Case 1 | "No Service"

| 03/11/Fri, 10:00 |
| No Service |

In this case, phone does not properly communicate with IP-PBX.

- Causes 1. Network connection failure
         2. Blocked by firewall(security equipment) port
         3. Non registered account information

| Case 2 | "Check the account"

| Check the account |

In this case, the phone information on the IP-PBX is incorrect.

- Causes In this case, phone settings and IP-PBX settings are different. Contact server manager to solve the problem.

CASES

| Case 3 | "IP address is duplicated"

```
Duplicated Addr
```

In this case, you use same IP address with other PC or phone.

- Solution Check and properly change IP settings.
  If there are any inquires,
  please contact server manager.

| Case 4 | "Network connection problems"

```
LAN Disconnected
```

In this case, that cable line is not connected with LAN port.

- Solution 1. Check if the internet line is connected well
    with LAN port.
  2. Check if the router or switch is connected well

| Case 5 | "Starting"

```
apivio
Starting…
```

In case system does not start for more than 1 minute due to IP setting problem.

- Solution 1. Press menu button and check IP setting.
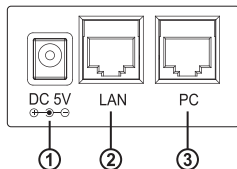
| Case 6 | "IP is being allocated"

```
Searching DHCP
```

IP is not allocated for more than 1 minute with dynamic IP setting.

- Solution 1. Check the router setting if you use router.
  2. Contact with the network manager.

7

INSTALLATION

INSTALLATION

Connecting cables (Back)

① Power adaptor port
② LAN connecting port RJ45
③ PC connecting port RJ45

① Power adaptor port	5V / 2A adaptor
② LAN port	100Mbps Ethernet interface (RJ45)
③ PC port	100Mbps Ethernet interface (RJ45)

How to install phone based on internet environment

A. Customers who use directly connected optic fiber LAN.
1. Connect internet line of optic fiber LAN to LAN port.
2. Connect computer line to PC port.
3. Connect power adaptor.
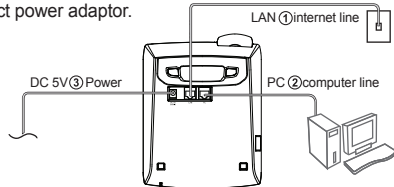
A-1. How to connect optic fiber LAN to router
1. Connect internet line of optic fiber LAN to WAB port of router.
2. Connect LAN port of router to LAN port of phone.
3. Connect computer line to PC port.

INSTALLATION

How to install phone according to
internet using environment

B. Customers who use ADSL, VDSL or cable modem
 1. Connect internet line to LAN ports of modem and Phone
 2. Connect computer line to PC port
 3. Connect power adaptor

 * PPPoE setting is needed when ADSL is used.

ADSL, VDSL,
Cable modem

LAN ①internet line
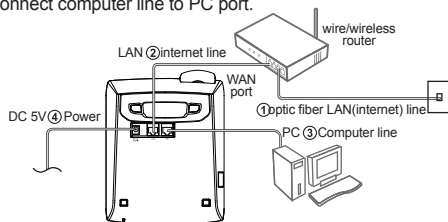
WAN port

internet line

DC 5V ③ Power
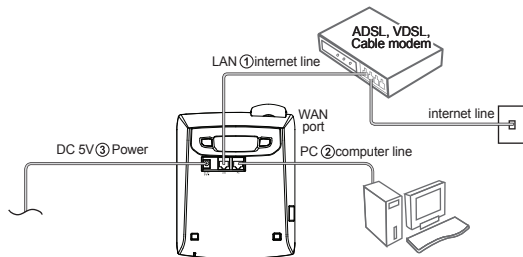
PC ②computer line

B-1. Customers who use router with ADSL, VDSL, or cable modem
 1. Connect WAN port and LAN port of modem
 2. Connect LAN port of phone and router
 3. Connect computer line to PC port.
 4. Connect power adaptor.

 * PPPoE setting is needed when ADSL is used.

wire/wireless router

ADSL, VDSL,
Cable modem

LAN ②internet line

WAN port

① optic fiber LAN(internet) line

DC 5V ④ Power

PC ③computer line
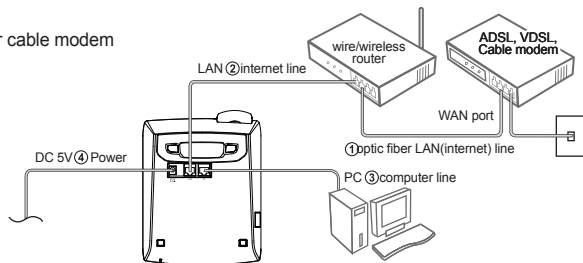
NETWORK SETTING

| Detail settings according to protocol |

1. How to use dynamic IP
- Press shortcut keys as shown below, and set dynamic IP
- "Dynamic IP" is set as default value.

$$\boxed{\frac{MENU}{HOLD}} \blacktriangleright \boxed{4_{GHI}} \blacktriangleright \boxed{2_{ABC}} \blacktriangleright \boxed{2_{ABC}}$$

| ③ Function Setup ④ Phone Setup | ▶ | ① Wizard ② Network | ▶ | Network ② DHCP |
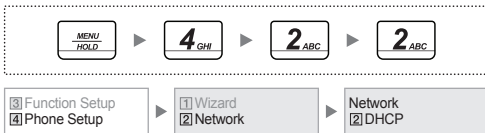
2. How to use static IP
- Press shortcut keys as shown below, and move to static IP setting

$$\boxed{\frac{MENU}{HOLD}} \blacktriangleright \boxed{4_{GHI}} \blacktriangleright \boxed{2_{ABC}} \blacktriangleright \boxed{1}$$

| IP address 192.168.0.100 | Enter IP address of your phone and press confirm. You can insert "." to use "*" button. |

▼

| Subnet mask 255.255.255.0 | Enter subnet mask address and press confirm button |

▼

| Gateway 192.168.0.1 | Enter gateway address and press confirm button |

▼

| DNS1 164.124.101.2 | Enter dominant DNS server address and press confirm button. |

▼

| DNS2 168.126.63.1 | Enter DNS sub-domain address and press confirm button. |

NETWORK SETTING

3. How to use PPPoE
- Press shortcut keys as shown below, and move to PPPoE setting

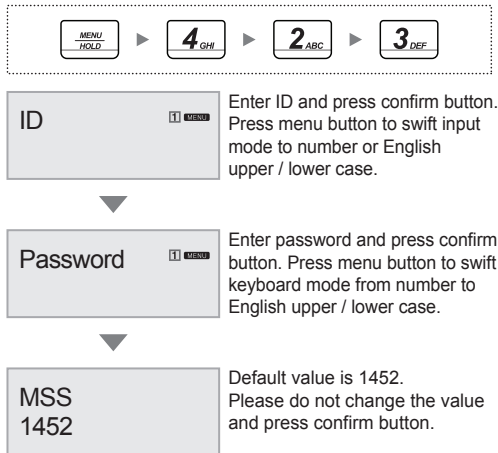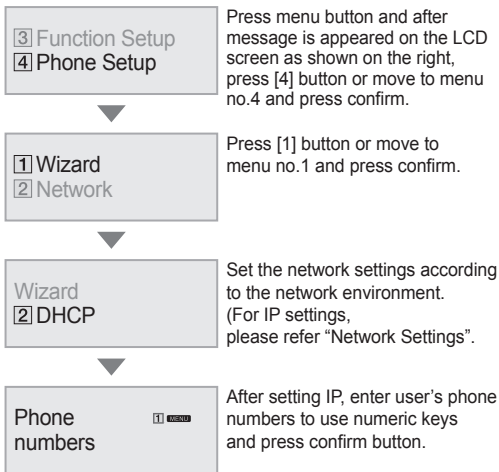$$\boxed{\frac{MENU}{HOLD}} \blacktriangleright \boxed{4_{GHI}} \blacktriangleright \boxed{2_{ABC}} \blacktriangleright \boxed{3_{DEF}}$$

ID [1] MENU	Enter ID and press confirm button. Press menu button to swift input mode to number or English upper / lower case.
Password [1] MENU	Enter password and press confirm button. Press menu button to swift keyboard mode from number to English upper / lower case.
MSS 1452	Default value is 1452. Please do not change the value and press confirm button.

* If you forget your ID or password please contact service provider.

SERVICE SETTING

| Service (VoIP) detail settings |

1. LCD screen settings

[3] Function Setup [4] Phone Setup	Press menu button and after message is appeared on the LCD screen as shown on the right, press [4] button or move to menu no.4 and press confirm.
[1] Wizard [2] Network	Press [1] button or move to menu no.1 and press confirm.
Wizard [2] DHCP	Set the network settings according to the network environment. (For IP settings, please refer "Network Settings".
Phone numbers [1] MENU	After setting IP, enter user's phone numbers to use numeric keys and press confirm button.

11

SERVICE SETTING

▼

| Password | 1 MENU |

Enter password to use numeric keys and press confirm. Press menu button to swift keyboard mode from number to English upper / lower case.

▼

| ID | 1 MENU |

Enter authentication ID to use numeric keys and press confirm.

▼

| Displayname | 1 MENU |

To use numeric keys, enter the name and press confirm. The name will be displayed on LCD screen during waiting mode.

- If the display name is shown on the LCD screen, service registration is completed.
- If the display name is not entered, phone numbers will be shown on the screen.

SETTING VIA WEB

| Phone settings Web settings |

1. Check IP to use numeric keys of phone.

$\dfrac{MENU}{HOLD}$ ▶ 2_{ABC} ▶ 2_{ABC} ▶ 1

2. Enter http://IP address:8000 in the address bar on your internet browser.

http://192.168.XXX.XXX:8000

파일(F) 편집(E) 보기(V) 즐겨찾기(A) 도구(T)

3. Enter ID : user, Password : 0000
   Ex)If IP address of your phone is 192.XXX.XXX.XXX, enter http://192.XXX.XXX.XXX:8000 in the address bar.

   Enter ID : user,
   Password : 0000

   Connect to 192.168.30.144

   The server 192.168.30.144 at 192.168.30.144 requires a username and password.

   사용자 이름(U): 🔲 user
   암호(P): ●●●●
   ☐ 암호 저장(R)

   확인   취소

SETTING VIA WEB

Home Page of Managing Website

① Dynamic IP setting   ④ DNS Server Setting

② Fixed IP setting   ⑤ NAT setting

③ PPPoE setting

TROUBLE SHOOTING

Solution for simple issues
– Following issues may occur although the phone is working correctly.

Symptoms	How to solve
1. I cannot use hold mode during call.	- Please check hold during call setting on your phone. (Menu + 3+ 2)
2. I cannot pickup calls from others.	- Group must be set to use pickup. - Please ask the service manager about group setting. - Please check if the pickup code is correctly entered.
3. Time is not shown.	- In this case, time is not downloaded from time server. Server has to be replaced. - To replace time server, please ask the service manager.
4. Ringtone is too quiet.	- Put down the receiver and press volume [▲/▼] buttons to adjust ringtone volume.
5. Caller's voice is too quiet to hear.	- Pick up the receiver and press volume [▲/▼] buttons to adjust.
6. Incoming caller ID does not show.	- Additional service is required to apply. Please ask the service manager.
7. There is background noise during call.	- VoIP phone transmits voice over network. There may be background noise according to the network conditions.
8. No-Service	- In this case, server is set incorrectly or OS does not accord with the service. Please ask the service manager. - Server cannot be connected due to the problems of network condition or consistency. Please ask the service manager and check.

BASIC FUNCTIONS

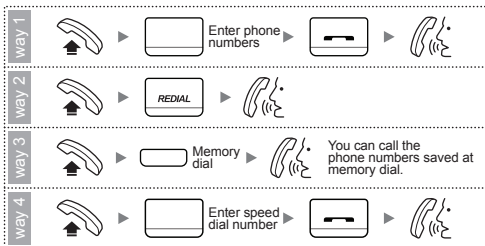Pick up the receiver | Hang up the phone | Call through handset | Call through speaker phone | Enter phone numbers | Memory dial | Ringtones | Function button/Enter

Make a Call

| Call through Handset |

way 1 Pick up receiver ▶ [ ] Enter phone numbers ▶ [——] ▶ Call

way 2 Pick up receiver ▶ REDIAL ▶ Call

way 3 Pick up receiver ▶ [ ] Memory dial ▶ Call — You can call the phone numbers saved at memory dial.

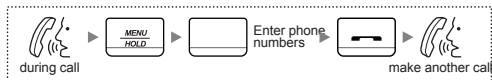**way 4** Pick up receiver ▶ [ ] Enter speed dial number ▶ [——] ▶ Call

Tip! Speed dial
Press [——] button from phone numbers list. Press speed dial number. Press last digit of the phone numbers for more than 2 seconds.
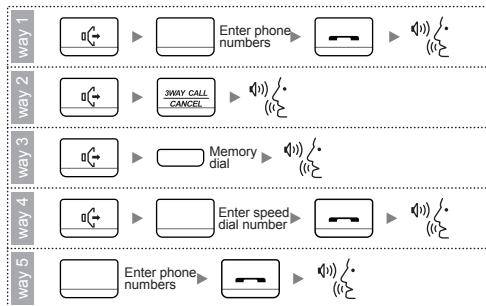
Tip! Make another call during an ongoing call
Press [HOLD] button while you call and press another phone numbers.

during call ▶ MENU/HOLD ▶ [ ] Enter phone numbers ▶ [——] ▶ make another call

Press [HOLD] button again to return to your previous call.

| Call through speaker phone |

way 1 Speaker ▶ [ ] Enter phone numbers ▶ [——] ▶ Call through speaker

way 2 Speaker ▶ 3WAY CALL/CANCEL ▶ Call through speaker

way 3 Speaker ▶ [ ] Memory dial ▶ Call through speaker

way 4 Speaker ▶ [ ] Enter speed dial number ▶ [——] ▶ Call through speaker

way 5 [ ] Enter phone numbers ▶ [——] ▶ Call through speaker

You can call through speaker phone as pressing phone numbers and [——] button.
While using speaker phone to call, sound can be cut off.

Tip! Simple dial
You can make a call by picking up the receiver right after pressing phone numbers.

[ ] Enter phone numbers ▶ Pick up receiver ▶ Call

BASIC FUNCTIONS

Answer a Call

| Call through handset | | Call through handset |

$\int_{))}$ Phone rings ▶ 📞 ▶ (((⸱

$\int_{))}$ Phone rings ▶ [🔲↩] ▶ ◀))) (((⸱

Tip! Answer another call during an ongoing call : In this case, hold during call function has to be set. After set the function, press [HOLD] button to answer another call during an ongoing call. Press [HOLD] button again to return to your previous call.
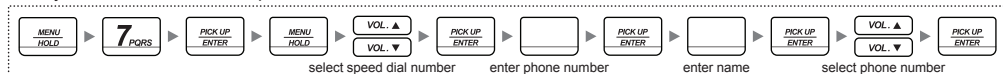
(((⸱ during call ▶ $\int_{))}$ another incoming call ▶ [MENU / HOLD] ▶ (((⸱ answer the other call

Phone book Call

You can also make a call as searching the phone book and pressing [☎] button.

[MENU / HOLD] ▶ [7 PQRS] ▶ [____] enter name ▶ [PICK UP / ENTER] ▶ [VOL. ▲ / VOL. ▼] select phone number ▶ [☎]

Add contact number

1. You can search and add contact from call log to your phone book. Maximum of 100 speed dials consisted of 2-digit numbers is provided. Ex) [00], [01], [02], ... [99]
2. Way to add contact from the phone book.

[MENU / HOLD] ▶ [7 PQRS] ▶ [PICK UP / ENTER] ▶ [MENU / HOLD] ▶ [VOL. ▲ / VOL. ▼] select speed dial number ▶ [PICK UP / ENTER] ▶ [____] enter phone number ▶ [PICK UP / ENTER] ▶ [____] enter name ▶ [PICK UP / ENTER] ▶ [VOL. ▲ / VOL. ▼] select phone number ▶ [PICK UP / ENTER]
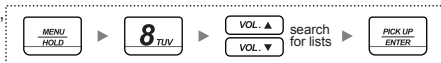
BASIC FUNCTIONS

Call log

Press [MENU] and [8–Call Log]. You can check the lists of outcoming, incoming and missing calls.

Memory buttons (six speed dial keys)

- Save number : After entering phone numbers, press memory button and the number will be saved.
- Change number : After entering phone number, press memory button and the number will be replaced.
- Delete saved number : Please access managing web site to delete the saved numbers. (Refer to page 12)
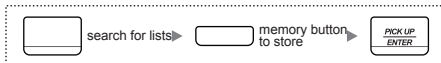
Hold

- You can hold incoming call if you cannot answer the call.
- You can press [HOLD] button to answer another call during an ongoing call. Press [HOLD] button again to return to your previous call.

Redial

You can call to the latest dialed number.

Mute

Press [MUTE] during an ongoing call to mute your voice.

Pickup

The function allows you to answer another ringing phone in the network. To check 'Pickup code', you need to contact the manager. Please refer page 19, Function Menu → Function Setup → Call Pickup.
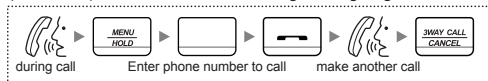
BASIC FUNCTIONS

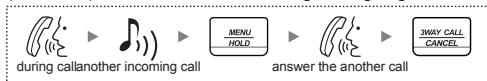## Conference call

`3WAY CALL CANCEL` Allow you to join 2 different people and call together at once through 'Make another call during an ongoing call' and 'Hold during call'.

(Method 1) Make another call during an ongoing call

during call ▶ `MENU HOLD` ▶ [ ] ▶ [ ] ▶ during call ▶ `3WAY CALL CANCEL`

Enter phone number to call   make another call

(Method 2) Answer another call during an ongoing call

during call ▶ another incoming call ▶ `MENU HOLD` ▶ ▶ answer the another call ▶ `3WAY CALL CANCEL`
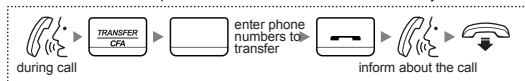
Transfer

`TRANSFER CFA` Allow you to transfer a call to another telephone in group.

(Method 1) Transfer after call
You can call the other person and inform about the call which you will transfer.

during call ▶ `TRANSFER CFA` ▶ enter phone numbers to transfer ▶ [ ] ▶ inform about the call ▶

(Method 2) Transfer directly
Transfer call to another person directly.

during call ▶ `TRANSFER CFA` ▶ enter phone numbers to transfer ▶

Adjust volume

`VOL. ▲` 1. Adjust call volume : Put down the receiver and press volume[▲/▼] buttons to adjust ringtone volume

`VOL. ▼` 2. Adjust ringtone volume : Pick up the receiver and press volume[▲/▼] buttons to adjust.

3. Adjust speaker volume : Press speaker phone button and press volume[▲/▼] buttons to adjust.
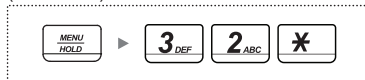
BASIC FUNCTIONS

Call wating

MENU/HOLD Allow you to answer another call during an ongoing call

(How to receive)

 during call ▸ another incoming call ▸ **MENU/HOLD** ▸ answer the another call

(How to set)

MENU/HOLD ▸ **3 DEF** ▸ **2 ABC** ▸ **✳**

Ring type

Allow you to find and change ringtones easily.

(How to set)

MENU/HOLD ▸ **3 DEF** ▸ **1** ▸ **VOL. ▲ / VOL. ▼** search for ringtones ▸ **PICK UP/ENTER**

Auto prefix

Set to add the area code automatically when you enter phone numbers.
Please contact the manager first to set auto add area code because exceptional rules of the function have to be set.

(How to set)

MENU/HOLD ▸ **3 DEF** ▸ **5 JKL** ▸ **✳** ▸ enter area code ▸ **PICK UP/ENTER**

Setting BLF(Busy Lamp Field) Keys

*This page is only applicable for IP-330s BLF version.

BLF displays call status of saved phone numbers with six LED buttons.
BLF keys can be set up either by phone or by managing website.

Setting BLF by Phone

⊂▭⊃ - Save number : After entering phone numbers, press BLF key and the number will be saved.

- Change number : After entering phone number, press BLF key and the number will be replaced.

- Delete saved number : Please access managing web site to delete the saved numbers. (Refer to page 12)

Input BLF number ▶ ⊂▭⊃ a memory to save ▶ ⌈ *VOL.▼* ⌉ select #2 ▶ *PICK UP ENTER*
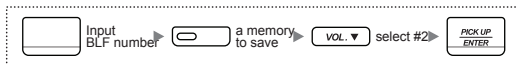
Setting BLF by the managing website

① Access to the managing website.(Refer to page 12)

② Select Function Setup → DSS/BLF Key

③ Input the phone number for a BLF key, and then change the Usage to BLF

④ Click Save button to save the settings.

HOW TO SET FUNCTION MENU

	MENU	$\frac{MENU}{HOLD}$ ⊕	
Message	Text Message	*1*	*1*
	New Message	*1*	*2ABC*
	Voice Message	*1*	*3DEF*
	Sent Message	*1*	*4GHI*
	Delete Messages	*1*	*5JKL*
	Message Memory	*1*	*6MNO*
Status information	S/W Version	*2ABC*	*1*
	IP Address	*2ABC*	*2ABC* *1*
	Subnet Mask	*2ABC*	*2ABC* *2ABC*
	Gateway	*2ABC*	*2ABC* *3DEF*
	DNS1	*2ABC*	*2ABC* *4GHI*
	DNS2	*2ABC*	*2ABC* *5JKL*
	IP Set Type	*2ABC*	*2ABC* *6MNO*
	Account ID	*2ABC*	*3DEF*
	MAC Address	*2ABC*	*4GHI*
	Security Information	*2ABC*	*5JKL*

	MENU	$\frac{MENU}{HOLD}$ ⊕	
Function Setup	Ring Type	*3DEF*	*1*
	Call Waiting	*3DEF*	*2ABC*
	Call Pickup	*3DEF*	*3DEF*
	Speed Dial	*3DEF*	*4GHI*
	Auto Pref ix	*3DEF*	*5JKL*
	CFA	*3DEF*	*6MNO*
	Do Not Disturb	*3DEF*	*7PQRS*
	Call Lock	*3DEF*	*8TUV*
Phone Setup	Wizard	*4GHI*	*1*
	Network	*4GHI*	*2ABC*
	Service	*4GHI*	*3DEF*
	NAT	*4GHI*	*4GHI*
	VLAN	*4GHI*	*5JKL*
	ToS	*4GHI*	*6MNO*
	Contrast	*4GHI*	*7PQRS*
	Language	*4GHI*	*8TUV*

	MENU	$\frac{MENU}{HOLD}$ ⊕	
Maintenance	Auto Provision	*5JKL*	*1*
	Set Default	*5JKL*	*2ABC*
	Test Provision	*5JKL*	*3DEF*
	Change App	*5JKL*	*4GHI*
	Reboot	*6MNO*	
	Phone Book	*7PQRS*	
	Call Log	*8TUV*	

☞ Menus on gray background must be set by administrator.

☞ Changing these settings arbitrarily may result in serious problems of the phone.

21

TREATMENT BEFORE DISPOSAL

Please follow the instructions when you dispose the product.
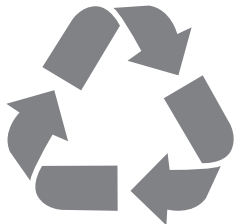
When disposing of the product,
please contact the nearest local governments for proper treatment.
Please dispose it in the right way that you are informed.

Please inform administration office if they provide
free recycling service of the phone.

WARRANTY

The products which are produced and sold from Moimstone Co, Ltd are guaranteed for 12 months from the date you purchased if the products have been used in accordance with those specified in the documentation

1. 12 months from the date of purchase
   The products which failed in the production process are free exchanged or repaired from the store you purchased.

2. After 12 months
   After the warranty, the repair and exchange service are continually offered for ongoing products.
   Repair and transportation fees will be charged.

3. Exceptions
   1) Lost or stolen
   2) Inadvertent damage of users
   3) Abuse, misuse, and unauthorized repairs
   4) Improper storage conditions
   5) Natural Disasters

The warranty is based on Korean damage compensation law.
According to the conditions of other countries, details can be changed.

DAMAGE COMPENSATION

Free of charge | Free compensation services will be provided for manufacturer's defects or spontaneous failure within 12 months of warranty.

Types of damage			Compensation	
			Within warranty	After warranty
Failures of performance and feature when the products have been used in the normal state	Major repair within 10 days from the purchase		Exchange or refund	N/A
	Major repair within 1 months from the purchase		Exchange or free repair	
	Damages occurred during shipping or installation		Exchange	
	Exchanging product required major repair within 1 month from exchanging date.		Refund	
	The case of exchange is not possible			
	Repairable case	Same defect occurs 3 times	Free repair	Repair with charge
		Same defect occurs 4 times	Exchange or refund	Repair with charge
		Different defects occur 5 times		Repair with charge
	The case of the company loss the product customer request to repair.			Refund the price adding up
	The case of the company does not have parts of the product to repair within retention period			10% of the amount after depreciation
	The case of the company has parts of the product but repair is impossible			Refund the amount after depreciation
	Impossible to repair		Pay fee for repair and exchange	Charge repairing fee and exchange with depreciated product
	Possible to repair		Free repair	Repair with charge

Service with charge | Please read the manual carefully. Service fee will be charged when you request non-broken product to fix.

(Fault of users or failure due to mishandling)
① The fault occurred by unauthorized repairs
② Intentional or negligent failures of users
③ Failure of user's mishandling(Falling, flooding, excessive operating, etc)
④ Damage due to using unauthorized part or accessory

(In other cases)
① Natural disasters
② End of life of consumable parts
③ The product is installed in a different way with the one documented in manual.

24

PRODUCT SPECIFICATIONS

Product spec	Description
Power consumption	Less than 5W
Operating supply	DC 5V 2.0A
Operating temperatures	0 ~ 45℃
Adaptor power supply	AC 90~264V, 47Hz/60Hz
Size (with Handset)	160 X 192 X 120(㎜)
Weight (± 50g)	570g
Display screen	"LCD(2LINE FSTN Mono Graphic(128 X 32 dots)) Ring indicate"
VoIP protocol	SIP
Network	"LAN(10/100Base–T with Auto MDIX) PC(10/100Base–T with Auto MDIX)"
Codec	Narrowband vocoders : G711 A/U, G.729

- Product Name : VoIP Phone / IP330
- Certification Number : MSH-IP330
- Company Name : Moimstone Co, Ltd / Korea

MEMO

MEMO

apivio
EMERGING VOICE